

Amendments to the Claims

42. (Currently Amended) A multi-gene expression profile of a sample comprising a collection of linearly amplified specific nucleic acid messages, wherein said amplified specific nucleic acid messages each have an abundance which reflects the relative representation of specific nucleic acid messages within the sample and each nucleic acid message within the sample has been amplified simultaneously with an RNA polymerase and with a primer linked to an RNA polymerase promoter.
43. (Canceled) The multi-gene expression profile of claim 42, wherein said amplified specific nucleic acid messages have been amplified simultaneously with RNA polymerase and primer linked to RNA polymerase promoter.
44. (Original) The multi-gene expression profile of claim 42, wherein said amplified specific nucleic acid messages comprise aRNA.
45. (Original) The multi-gene expression profile of claim 42, wherein said amplified specific nucleic acid messages comprise cDNA.
46. (Original) The multi-gene expression profile of claim 42, wherein said amplified specific nucleic acid messages are hybridized to a hybridizing target.
47. (Original) The multi-gene expression profile of claim 46, wherein said amplified specific nucleic acid messages are hybridized to a hybridizing target by northern or Southern blot.
48. (Original) The multi-gene expression profile of claim 42, wherein said sample is a mammalian cell.
49. (Original) The multi-gene expression profile of claim 48, wherein said sample is a cell from brain, spleen, bone, heart, vascular tissue, lung, kidney, liver pituitary, endocrine gland, lymph node, or tumor.
50. (Original) The multi-gene expression profile of claim 48, wherein said sample is a blood cell.
51. (Original) The multi-gene expression profile of claim 48, wherein said sample

is a neural cell.

52. (Original) The multi-gene expression profile of claim 48, wherein said sample is a single cell.
53. (Currently Amended) A multi-gene expression profile of a sample comprising a collection of linearly amplified specific nucleic acid messages, wherein said amplified specific nucleic acid messages have been amplified simultaneously with a RNA polymerase and with a primer linked to a RNA polymerase promoter.
54. (Original) The multi-gene expression profile of claim 53, wherein said amplified specific nucleic acid messages are hybridized to a hybridizing target.